Email maxluoxi Phone 630-432		913 Ashford Lane Westmont, IL 60559
Education	University of Illinois at Urbana-Champaign	Urbana-Champaign, IL
	Bachelor of Science, Computer Science + Master of Computer Science	Aug. 2017 – May 2021
	Hinsdale Central High School	Hinsdale, IL
	Valedictorian	Aug. 2013 – May 2017
Relevant	Operating System Design; Distributed Systems; Operating System Security; Applied Crypto	graphy; Advanced
Courses	Computer Security; ML for Sys, Networks, & Security; Machine Learning; Computer Securi	
	Programming; Interactive Computer Graphics; Programming Languages and Compilers; Al	
	Video Game Design; Game Dev Process; Communication Networks; Computer Security I;	
	Computation; UI Design; Probability and Statistics; System Programming; Applied Linear A	lgebra; Numerical
Work	Methods I; Computer Architecture; Data Structures 8i, Software Engineering Intern	Chicago, IL
	Developed features for an internal MPEG-DASH player to support the company's	May 2020 – Aug. 2020
Experience	proprietary mesh, video, and audio codec including seek, caching, and adaptive bitrate	
	selection using the C++ Qt Framework	
		Chicago, IL
	Eagle Seven, Software Development Intern	May 2019 – Aug. 2019
	 Wrote software to calculate network performance metrics of high-frequency trade engines 	
	Improved the automation, comparison, and real-time tracking capabilities of the	
	performance testing framework through InfluxDB and Grafana to drive future	
	development	
	Formilah Application Davidonment and Systems Applicat	Datavia II
	Fermilab, Application Development and Systems Analyst Designed and developed a modern web application in Angular to interface with an	Batavia, IL May 2018 – Aug. 2018
	instrument calibration database	Way 2010 Aug. 2010
	Fermilab, Software Intern	Batavia, IL
	Using C, implemented and analyzed the effectiveness of data compression algorithms	June 2016 – July 2016
Duoisete	for use in data collection during experiments HackIllinois	Urbana-Champaign, IL
Projects	Cooperated in a team to implement a desktop drawing/messaging application modeled	Feb. 2018
	on the DS software PictoChat in Python	165. 2010
	neuralMario	Hinsdale, IL
	Implemented a NEAT algorithm to create an AI that could play Super Mario World	May 2017
Activities	CS 126 Software Design Studio, Teaching Assistant	Urbana-Champaign, IL

Activities

CS 126 Software Design Studio, Teaching Assistant

Lead code reviews to instruct students on best coding practices

— Managed the lectures page for the course website

CS 225 Data Structures, Teaching Assistant

Lead discussions with students to foster educational dialogue concerning the use of data structures in computer science

UIUC SigPWNy

— Collaborated with peers to teach one another computer security topics and techniques to exploit security vulnerabilities

— Competed in in-house and national CTF competitions

Skills Proficient in C/C++, Java, Python

Intermediate knowledge of Verilog, HTML/CSS, Javascript (Angular), InfluxDB, Grafana, Unity, Unreal Engine, WebGL, Android app development, Qt Framework, Chinese

Jan. 2021 – May 2021

Urbana-Champaign, IL

Aug. 2020 - Dec. 2021

Urbana-Champaign, IL

2017 - 2020

Basic skills with Rust, OCaml, x86 Assembly, Japanese